



## Module 1, Investigation 1: Figure 1

### Mount St. Helens, March 1980, before the eruption



Infrared false color Landsat image of Mount St. Helens and the surrounding area in March 1980.  
The reddish areas are living vegetation.  
Source: LandSat satellite <http://volcano.und.nodak.edu/vwdocs/msh/ov/ovs/ovsl.html>

## **Module 1, Investigation 1: Figure 2**

### **Mount St. Helens, June 1980, after the eruption**



Infrared false color Landsat image of Mount St. Helens and the surrounding areas in June 1980.

Orientation: NNE

Source: <http://volcano.und.nodak.edu/vwdocs/msh/ovs/ovssl.html>



## Module 1, Investigation 1: Figure 3

### Aerial photograph of 1980 damage to Mount St. Helens



Mount St. Helens' 1980 eruption triggered massive debris flows down the north face of the volcano as seen in this photograph.

Source: Cascade Volcano Observatory by Thomas Casadevall [http://denali.gsfc.nasa.gov/research/volc2/volc\\_top.html](http://denali.gsfc.nasa.gov/research/volc2/volc_top.html)



## Module 1, Investigation 1: Figure 4

### Mount St. Helens in December 1999



True color Landsat image of Mount St. Helens in 1999. Some areas have yet to rebound from the 1980 eruption.

Key: green = forest

white = snow and glaciers

grey = areas destroyed by 1980 debris flow which have not recovered

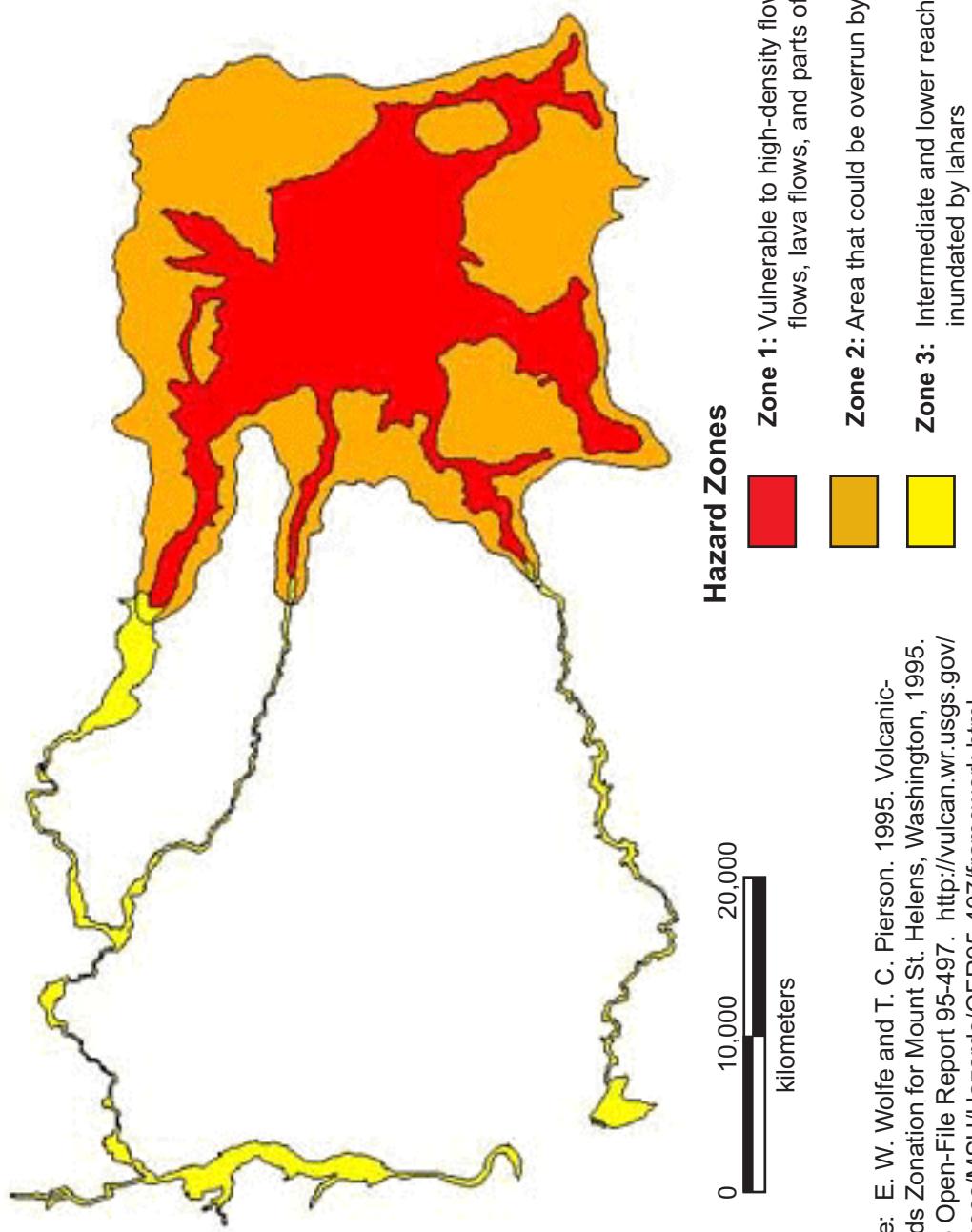
Orientation: NNE

Source: [http://volcano.und.nodak.edu/vwdocs/volc\\_images/img\\_st\\_helens.html](http://volcano.und.nodak.edu/vwdocs/volc_images/img_st_helens.html)



## Module 1, Investigation 1: Figure 5

### Mount St. Helens hazards map



Source: E. W. Wolfe and T. C. Pierson. 1995. Volcanic-Hazards Zonation for Mount St. Helens, Washington, 1995. USGS Open-File Report 95-497. <http://vulcan.wr.usgs.gov/Volcanoes/MSH/Hazards/OFR95-497/framework.html>